

Title (en)

Method and array for determination of RNAi cell transfection effects by multiple gene expression analysis on micro-arrays

Title (de)

Verfahren und Array zur Bestimmung von den Effekten des RNAi-Zelltransfektions durch mehrfache Genexpressionsanalyse auf Mikroarrays

Title (fr)

Procédé et réseau pour la détermination des effets de transfection des cellules avec ARNi par l'analyse de l'expression de gènes multiples à l'aide de micro-réseaux

Publication

EP 1657312 A1 20060517 (EN)

Application

EP 05023684 A 20051028

Priority

US 98721204 A 20041112

Abstract (en)

The invention provides a tool and a method for the easy interpretation of the changes occurring in a cell, being a three dimensional complex and control system when transfected by RNAi. The method is based on the analysis of a limited number of data obtained by quantifying the intensity of the signals present on spots distributed in a two dimensional surface. The invention allows to observe the effects of the presence of a particular RNAi on the cells main vital cellular functions together with the possible side or deleterious effects resulting from the transfection process or to the presence of the RNAi in a cell. The invention also provides a method for the determination of change in the three dimensional status of a cell, wherein an array containing nucleic acids or proteins belonging to or being representative for at least 5 vital cellular functions together with 3 deleterious functions

IPC 8 full level

C12Q 1/68 (2006.01)

CPC (source: EP US)

C12Q 1/6809 (2013.01 - EP US); **C12Q 1/6837** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

US 2005208518 A1 20050922; EP 1657312 A1 20060517; JP 2006174827 A 20060706

DOCDB simple family (application)

US 98721204 A 20041112; EP 05023684 A 20051028; JP 2005328797 A 20051114